

GenCore version 4.5  
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OM protein - protein search, using sw model

Run on: March 29, 2002, 09:46:25 ; Search time 14.16 Seconds  
(without alignments)  
1277.729 Million cell updates/sec

Title: US-09-116-676-10  
Perfect score: 4363  
Sequence: 1 MICOKEFCVVLLHWFELVIT.....WLRISSSVKKYYHKGKFITL 804

Scoring table: BLOSUM62  
Gapop 10.0 , Gapext 0.5

Searched: 212252 seqs, 22503292 residues

Total number of hits satisfying chosen parameters: 212252

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 100%  
Maximum Match 100%  
Listing first 45 summaries

Database : Issued\_Patents\_AA:\*

1: /cgn2\_6/ptodata/2/iaa/5a\_COMB.pep:\*

2: /cgn2\_6/ptodata/2/iaa/5b\_COMB.pep:\*

3: /cgn2\_6/ptodata/2/iaa/6a\_COMB.pep:\*

4: /cgn2\_6/ptodata/2/iaa/6b\_COMB.pep:\*

5: /cgn2\_6/ptodata/2/iaa/107US\_COMB.pep:\*

6: /cgn2\_6/ptodata/2/iaa/backfile1.pep:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

## SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	4.337	99.4	1165	2 US-09-599-455B-4	Sequence 4, Appli
2	4.337	99.4	1165	4 US-09-093-814-1	Sequence 1, Appli
3	4.337	99.4	1165	4 US-09-693-781B-4	Sequence 2, Appli
4	4.325	99.1	898	2 US-08-693-697-36	Sequence 36, Appli
5	4.325	99.1	908	2 US-08-693-697-33	Sequence 33, Appli
6	4.325	99.1	960	2 US-08-355-888A-8	Sequence 8, Appli
7	4.325	99.1	960	2 US-08-693-697-8	Sequence 9, Appli
8	4.325	99.1	960	2 US-08-640-389A-3	Sequence 3, Appli
9	4.325	99.1	960	3 US-08-693-696-8	Sequence 8, Appli
10	4.320	99.0	960	2 US-08-588-190-3	Sequence 3, Appli
11	4.319	98.9	908	2 US-08-588-126-3	Sequence 3, Appli
12	4.309	98.8	1165	2 US-08-640-389A-11	Sequence 11, Appli
13	4.297	98.5	896	2 US-08-640-389A-10	Sequence 10, Appli
14	4.297	98.5	906	2 US-08-640-389A-9	Sequence 9, Appli
15	4.297	98.5	958	2 US-08-640-389A-8	Sequence 8, Appli
16	3.361	77.0	896	2 US-08-640-389A-7	Sequence 3, Appli
17	3.345	76.7	894	2 US-08-599-455B-2	Sequence 2, Appli
18	3.345	76.7	894	4 US-09-693-781B-2	Sequence 1, Appli
19	3.345	76.7	1162	2 US-08-599-455B-3	Sequence 43, Appli
20	3.345	76.7	1162	4 US-09-069-781B-43	Sequence 43, Appli
21	3.342	76.6	1162	4 US-08-803-346-1	Sequence 1, Appli
22	3.334	76.4	895	4 US-08-827-962-19	Sequence 19, Appli
23	3.334	76.4	1162	4 US-08-827-962-15	Sequence 15, Appli
24	3.308	76.3	1162	4 US-08-827-962-20	Sequence 20, Appli
25	3.057	70.1	569	1 US-08-306-231-3	Sequence 21, Appli
27	9.6	77	4	US-08-803-346-64	Sequence 64, Appli

## ALIGNMENTS

RESULT 1  
US-09-599-455B-4  
Sequence 4, Application US/08599455B  
Patent No. 5972621  
GENERAL INFORMATION:  
APPLICANT: Tartaglia, Louis A.  
APPLICANT: Culpepper, Robert I.  
TITLE OF INVENTION: METHODS OF IDENTIFYING COMPOUNDS THAT MODULATE BODY WEIGHT USING THE OB RECEPTOR  
TITLE OF INVENTION: MODULATE BODY WEIGHT USING THE OB RECEPTOR  
NUMBER OF SEQUENCES: 44  
CORRESPONDENCE ADDRESS:  
ADRESSE: Fish & Richardson, P.C.  
STREET: 225 Franklin Street  
CITY: Boston  
STATE: MA  
ZIP: 02110-2804  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: Windows95  
SOFTWARE: FASTSD for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/599, 455B  
FILING DATE: 22-JAN-1996  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/583, 153,  
FILING DATE: 28-DEC-1995  
APPLICATION NUMBER: 08/570, 142  
FILING DATE: 11-DEC-1995  
APPLICATION NUMBER: 08/569, 485  
FILING DATE: 08-DEC-1995  
APPLICATION NUMBER: 08/566, 622  
FILING DATE: 04-DEC-1995  
APPLICATION NUMBER: 08/562, 663  
FILING DATE: 27-NOV-1995  
ATTORNEY/AGENT INFORMATION:  
NAME: Melklejohn, Ph.D., Anita L.  
REGISTRATION NUMBER: 35, 283  
REFERENCE/DOCKET NUMBER: 07334/017001  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 617-542-5070  
TELEFAX: 617-542-8906  
TELEFAX: 200154  
INFORMATION FOR SEQ ID NO: 4:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1165 amino acids  
TYPE: amino acid  
TOPOLOGY: unknown



RESULT 3  
 US-09-069-781B-4  
 Sequence 4, Application US/09069781B  
 Patent No. 6287782  
 GENERAL INFORMATION:  
 APPLICANT: Targaglia, Louis A.  
 ATTORNEY/AGENT INFORMATION:  
 Tepper, Robert I.  
 Culppeper, Janice A.  
 APPLICANT: White, David W.  
 TITLE OF INVENTION: THE OB RECEPTOR AND METHODS FOR  
 THE DIAGNOSIS AND TREATMENT OF BODY WEIGHT DISORDERS,  
 INCLUDING OBESITY AND CACHEXIA  
 NUMBER OF SEQUENCES: 50  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Fish & Richardson, P.C.  
 STREET: 225 Franklin Street  
 CITY: Boston  
 STATE: MA  
 COUNTRY: US  
 ZIP: 02110-2804  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: Windows95  
 SOFTWARE: FastSeq for Windows Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/09/069-781B  
 FILING DATE: 29-APR-1998  
 PRIOR APPLICATION DATA:  
 APPLICATION NUMBER: US 08/864-564  
 FILING DATE: 28-MAY-1997  
 APPLICATION NUMBER: US 08/708, 123  
 FILING DATE: 03-SEP-1996  
 APPLICATION NUMBER: US 08/638, 524  
 FILING DATE: 26-APR-1996  
 APPLICATION NUMBER: US 08/599, 455  
 FILING DATE: 22-JAN-1996  
 APPLICATION NUMBER: US 08/583, 153  
 FILING DATE: 28-DEC-1995  
 APPLICATION NUMBER: US 08/570, 142  
 FILING DATE: 11-DEC-1995  
 APPLICATION NUMBER: US 08/569, 485  
 FILING DATE: 08-DEC-1995  
 APPLICATION NUMBER: US 08/566, 622  
 FILING DATE: 04-DEC-1995  
 APPLICATION NUMBER: US 08/562, 663  
 FILING DATE: 27-NOV-1995  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Melklejohn, Ph.D., Anita L.  
 REGISTRATION NUMBER: 35, 283  
 REFERENCE/DOCKET NUMBER: 07334/082001  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (617) 542-5070  
 TELEFAX: (617) 542-8906  
 TELEX: 200154  
 INFORMATION FOR SEQ ID NO: 4:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1165 amino acids  
 TYPE: amino acid  
 TOPOLOGY: unknown  
 MOLECULE TYPE: protein  
 FRAGMENT TYPE: internal  
 US-09-069-781B-4

Query Match 99.4% Score 4337: DB 4: Length 1165:  
 Best Local Similarity 99.8% Pred. No. 0; Mismatches 2; Indels 0; Gaps 0;  
 Matches 799; Conservative 0; Gaps 0;

QY 1 MICOKFCVYLLHWEPIYVITAFNLISYPITPWRFKLSCMPNPNSTYDFLLPAGLSKNTSNS 60  
 Db 1 MICOKFCVYLLHWEPIYVITAFNLISYPITPWRFKLSCMPNPNSTYDFLLPAGLSKNTSNS 60  
 Qy 61 NGKETAVEPFKNSGTHFSNLSKTTFHCCFRSEODRNCSCADNIEGKTFVSYNSLVP 120  
 Db 61 NGKETAVEPFKNSGTHFSNLSKTTFHCCFRSEODRNCSCADNIEGKTFVSYNSLVP 120  
 Qy 121 QQIDANWNTOCWLKGDKLFLICYESLFLKNLFNNYKVKHLLYLPVEYLEDSPVQKGS 180  
 Db 121 QQIDANWNTOCWLKGDKLFLICYESLFLKNLFNNYKVKHLLYLPVEYLEDSPVQKGS 180  
 Qy 181 FQMYHCNCSCVHECCCLVPPVPTAKLNDTLLMCLKITSGGVIFQSPMSYOPINMKPKDP 240  
 Db 181 FQMYHCNCSCVHECCCLVPPVPTAKLNDTLLMCLKITSGGVIFQSPMSYOPINMKPKDP 240  
 Qy 241 LGJLMEITDGNLKTSWSSPPLVPPQLOVKYSENSTVIREADKIVSATSLVDSLVP 300  
 Db 241 LGJLMEITDGNLKTSWSSPPLVPPQLOVKYSENSTVIREADKIVSATSLVDSLVP 300  
 Qy 301 GSSYEVQVGRKLDGPITWSDWSPRFTQDVIYFPKILTSVGSNSFHCITYKKEWKI 360  
 Db 301 GSSEVQVGRKLDGPITWSDWSPRFTQDVIYFPKILTSVGSNSFHCITYKKEWKI 360  
 Qy 361 VPSKEIWWMMLAEKIPQSOQDYVSDHYSKTFENLNETKPRGFPTYDAVYCCNEHECHH 420  
 Db 361 VPSKEIWWMMLAEKIPQSOQDYVSDHYSKTFENLNETKPRGFPTYDAVYCCNEHECHH 420  
 Qy 421 RYABLYVDDVNINISCEFDGYLKMTCKMSTTQSIAESTLQRLYHRSLSYKSDIPSPH 480-  
 Db 421 RYABLYVDDVNINISCEFDGYLKMTCKMSTTQSIAESTLQRLYHRSLSYKSDIPSPH 480  
 Qy 481 PISEPKDCYQLQSDGFYECIFQIPFLSSGMLDSPPCTVLPDSVVKPLPP 540  
 Db 481 PISEPKDCYQLQSDGFYECIFQIPFLSSGMLDSPPCTVLPDSVVKPLPP 540  
 Qy 541 SSYKAETTINIGLKISNEKPKVPEPNLQFOIRYGLSGKEVQWKMVEYDAKSKSKVSLPV 600  
 Db 541 SSYKAETTINIGLKISNEKPKVPEPNLQFOIRYGLSGKEVQWKMVEYDAKSKSKVSLPV 600  
 Qy 601 PDLCAYAVQVCRKLDGLGYWSNSNPAYTVMIDIKPMRGPEFWRILINGDTMKKERNV 660  
 Db 601 PDLCAYAVQVCRKLDGLGYWSNSNPAYTVMIDIKPMRGPEFWRILINGDTMKKERNV 660  
 Qy 661 TLWKPPLAKNDSSLCSVQRYVHNHTSCRGTSWSDVGNTKFTPLWTEQAHVTVLAINSI 720  
 Db 661 TLWKPPLAKNDSSLCSVQRYVHNHTSCRGTSWSDVGNTKFTPLWTEQAHVTVLAINSI 720  
 Qy 721 GASVANFPLTFSRPMSSKVNIVOSLSSAYPLNSSCIVSMLSPSDYKLMYFIEWKNLMD 780  
 Db 721 GASVANFPLTFSRPMSSKVNIVOSLSSAYPLNSSCIVSMLSPSDYKLMYFIEWKNLMD 780  
 RESULT 4  
 US-08-653-697-36  
 Sequence 36, Application US/08693697  
 Patent No. 5869610  
 GENERAL INFORMATION:  
 APPLICANT: Snodgrass, H. R.  
 APPLICANT: Cioffi, Joseph  
 APPLICANT: Zupancic, Thomas J.  
 APPLICANT: Shafer, Alan W.  
 TITLE OF INVENTION: Hu-B1-219, A NOVEL HUMAN HEMATOPOIETIN  
 TITLE OF INVENTION: RECEPTOR  
 NUMBER OF SEQUENCES: 38  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Pennie & Edmonds  
 STREET: 1155 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: USA

ZIP: 10036-2711  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/M-DOS  
 SOFTWARE: FastSEQ for Windows Version 2.0b  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/693,697  
 FILING DATE: 05-AUG-1996  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Polasant, Brian M.  
 REGISTRATION NUMBER: 28,462  
 REFERENCE/DOCKET NUMBER: 8907-0037-999  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 650-493-4935  
 TELEX: 66141 PENNIE  
 FAX: 650-493-5556  
 US-08-693-697-36

SEQUENCE CHARACTERISTICS:  
 LENGTH: 898 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 FRAGMENT TYPE: internal

Query Match Score 99.1%; Score 4325; DB 2; Length 898;  
 Best Local Similarity 99.4%; Pred. No. 0; Matches 2; Indels 0; Gaps 0;  
 Matches 796; Conservative

Qy 1 MIGQKFCVLLHMEFIVITAPLSPYTPWREKLSCKPNSTYDFPULPAGLSKNTSNS 60  
 Db 3 MIGQKFCVLLHMEFIVITAPLSPYTPWREKLSCKPNSTYDFPULPAGLSKNTSNS 62

Qy 61 NGHYETAVEPKENNSGTHFSNLSKTTFHCFCRSEQDRNCSCUADNIEGKTFYSTVNSLVF 120  
 Db 63 NGHYETAVEPKENNSGTHFSNLSKATPHCCFSEQDRNCSCUADNIEGKTFYSTVNSLVF 122

Qy 121 QDQDANNNTOCWNKGDKLKLFICYVESLFKNLNFRPNYKVKHLLVPLPEVDSPLVPKGS 180  
 Db 123 QDQDANNNTOCWNKGDKLKLFICYVESLFKNLNFRPNYKVKHLLVPLPEVDSPLVPKGS 182

Qy 181 FQWVHCNGCSVHECCCLVPTAKLNDTLLMCLIKTSGVQINVKDPP 240  
 Db 183 FQWVHCNCSCVHECCCLVPTAKLNDTLLMCLIKTSGVQINVKDPP 242

Qy 241 LGHMEITDDGNLKISNSPPLPVPEQKVSSENSTVIREADKTVSATSLVDSLIP 300  
 Db 243 LGHMEITDDGNLKISNSPPLPVPEQKVSSENSTVIREADKTVSATSLVDSLIP 302

Qy 301 GSSYEQVRGKRDLGPGIWSMNSTPRTVETDQWYFPPKILTSVGNSFHCITYKKENKI 360  
 Db 303 GSSYEQVRGKRDLGPGIWSMNSTPRTVETDQWYFPPKILTSVGNSFHCITYKKENKI 362

Qy 421 RYABLYVIDVNINNISCTDGYLTKMTCRWSTSTQSLAESTLQLRYHRSSLYCSDIPSIH 480  
 Db 423 RYALYVIDVNINNISCTDGYLTKMTCRWSTSTQSLAESTLQLRYHRSSLYCSDIPSIH 482

Qy 481 PISPKDQCYLQSGFECYFQPIFLSGTMMWRINHSGSLDSSPPTCYLPDPSVVKPLPP 540  
 Db 483 PISPKDQCYLQSGFECYFQPIFLSGTMMWRINHSGSLDSSPPTCYLPDPSVVKPLPP 542

Qy 541 SSVAEITINIGLLKISNEKWPVPPENNLOFQIRYGLSGKEVQKMKYEVYDAKSKSVPV 600  
 Db 543 SSVAEITINIGLLKISNEKWPVPPENNLOFQIRYGLSGKEVQKMKYEVYDAKSKSVPV 602

Qy 601 PDLCAVYAVQYRCKRLDGLGYWSNNNSNPATVMDIKVPPMRGPEFRIINGDTMKKEKNV 660  
 Db 603 PDLCAVYAVQYRCKRLDGLGYWSNNNSNPATVMDIKVPPMRGPEFRIINGDTMKKEKNV 662

Qy 661 TLLWKPLMKNDLSCSYORYVINHHTKFTFLNTEQATHTVLAINST 720  
 Db 663 TLLWKPLMKNDLSCSYORYVINHHTKFTFLNTEQATHTVLAINST 722

Qy 721 GASVANENLTESWPMKSVNIVOSLSAYPLNSSCVIVSWSLSPSDYKLMYFTEWKLNED 780  
 Db 723 GASVANENLTESWPMKSVNIVOSLSAYPLNSSCVIVSWSLSPSDYKLMYFTEWKLNED 782

Qy 781 GEIKWLRISSSYKTYTHGKF 801  
 Db 783 GEIKWLRISSSYKTYIHDHF 803

RESULT 5  
 US-08-693-697-33  
 ; Sequence 33, Application US/08693697  
 ; Patent No. 5863610  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Snodgrass, H. R.  
 ; APPLICANT: Ciolfi, Joseph  
 ; APPLICANT: Zupancic, Thomas J.  
 ; APPLICANT: Shafer, Alan W.  
 ; TITLE OF INVENTION: Hu-B1-219, A NOVEL HUMAN HEMATOPOIETIN  
 ; NUMBER OF SEQUENCES: 38  
 ; TITLE OF INVENTION: RECEPTOR  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Pennie & Edmonds  
 ; STREET: 1155 Avenue of the Americas  
 ; CITY: New York  
 ; STATE: New York  
 ; COUNTRY: USA  
 ; ZIP: 10016-2711  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: FastSEQ for Windows Version 2.0b  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/693,697  
 ; FILING DATE: 05-AUG-1996  
 ; CLASSIFICATION: 435  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Poissant, Brian M.  
 ; REGISTRATION NUMBER: 28,462  
 ; REFERENCE/OCKET NUMBER: 8907-0037-999  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 650-493-4935  
 ; TELEFAX: 650-493-5556  
 ; TELEX: 66141 PENNIE  
 ; INFORMATION FOR SEQ ID NO: 33:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 908 amino acids  
 ; TYPE: amino acid  
 ; STRANDEDNESS: single  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein  
 ; FRAGMENT TYPE: Internal  
 ; US-08-693-697-33

Query Match 99.1%; Score 4325; DB 2; Length 908;  
 Best Local Similarity 99.4%; Pred. No. 0;  
 Matches 796; Conservative 3; Indels 0; Gaps 0;

Qy 1 MICOKFCVLLHMEFIVTAPLSPYTPWREKLSCKPNSTYDFPULPAGLSKNTSNS 600  
 Db 3 MICOKFCVLLHMEFIVTAPLSPYTPWREKLSCKPNSTYDFPULPAGLSKNTSNS 620

Qy 61 NGHYETAVEPKENNSGTHFSNLSKTTFHCFCRSEQDRNCSCUADNIEGKTFYSTVNSLVF 1200

COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/355,888A  
 FILING DATE: 14-DEC-1994  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Poissant, Brian M.  
 REGISTRATION NUMBER: 28,462  
 REFERENCE/DOCKET NUMBER: 7225-078  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 790-9090  
 TELEFAX: (212) 869-9741/8964  
 TELEX: 66141 PENNIE 1  
 INFORMATION FOR SEQ ID NO: 8:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 960 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-355-888A-8

Query Match Similarity Score 4325; DB 1; Length 960;  
 Best Local Similarity 99.1%; Pred. No. 0;  
 Matches 2; Mismatches 3; Indels 0; Gaps 0;  
 Matches 796; Conservative 99.4%; Pred. No. 0;

Qy 1 MICOKEFCVVLHWEFITYVTAFLNSKTPITPWFRLSCMPNPNSTYDFLPLAGLSKNTNS 60  
 Db 3 MICOKEFCVVLHWEFITYVTAFLNSKTPITPWFRLSCMPNPNSTYDFLPLAGLSKNTNS 62

Qy 61 NGHYETAVEPKFNSSTHFSLSKTPITPWFRLSCMPNPNSTYDFLPLAGLSKNTNS 120  
 Db 63 NGHYETAVEPKFNSSTHFSLSKTPITPWFRLSCMPNPNSTYDFLPLAGLSKNTNS 122

Qy 121 QIDANWNTOCWLKGDLKLKFLKTCYVSLFKNLFRNYKHLVLYPEVLEDSPLVQKGS 180  
 Db 123 QIDANWNTOCWLKGDLKLKFLKTCYVSLFKNLFRNYKHLVLYPEVLEDSPLVQKGS 182

Qy 181 FQMYHCNCSVHECCCECLVPPVPTAKLNDTLLMCLKITSGGVIFPSLMSVQPINMVKDPP 240  
 Db 183 FQMYHCNCSVHECCCECLVPPVPTAKLNDTLLMCLKITSGGVIFPSLMSVQPINMVKDPP 242

Qy 241 LGLMEITDDGNIKISWSSPPLVPEPFLQYQVYSENSTVIREADKIVSATSLVDSLIP 300  
 Db 243 LGLMEITDDGNIKISWSSPPLVPEPFLQYQVYSENSTVIREADKIVSATSLVDSLIP 302

Qy 301 GSSKEVQRGKRLDGPGIWSDASTPRTFTQDVIYFPPKILTSVGSNSVFSFICYKKENKI 360  
 Db 303 GSSKEVQRGKRLDGPGIWSDASTPRTFTQDVIYFPPKILTSVGSNSVFSFICYKKENKI 362

Qy 361 VPSKEIYWMNLAEKIPOSQYDVSDHVKSYTFFENLNETKPGKFTYDAVCCNEHECHH 420  
 Db 363 VPSKEIYWMNLAEKIPOSQYDVSDHVKSYTFFENLNETKPGKFTYDAVCCNEHECHH 422

Qy 421 RYAELEYDWNINNISCETDGYLTKATCICRWSSTSITQSLAESTLQLRHYRSSLYCSDIPSII 480  
 Db 423 RYAELEYDWNINNISCETDGYLTKATCICRWSSTSITQSLAESTLQLRHYRSSLYCSDIPSII 482

Qy 481 PSEPEKDCYLQSDGFYCIFQPIFLSSGYTMWIRINHSLGSDSPPTCVLPSVYKPLPP 540  
 Db 483 PSEPEKDCYLQSDGFYCIFQPIFLSSGYTMWIRINHSLGSDSPPTCVLPSVYKPLPP 542

Qy 541 SSVKAETINTIGLLKTSWEKDPFEPENLQFOQIYGLSGKEVQWKAYEVDAKSKSVSLPV 600  
 Db 543 SSVKAETINTIGLLKTSWEKDPFEPENLQFOQIYGLSGKEVQWKAYEVDAKSKSVSLPV 602

Qy 601 PDLCAVYAVQVRCKRLDGLGIWSNSNPATVMDIKVPMRGPEFWRITNGDTMKKEKAV 660  
 Db 603 PDLCAVYAVQVRCKRLDGLGIWSNSNPATVMDIKVPMRGPEFWRITNGDTMKKEKAV 662

Qy 661 TLLWKPLMKDLSLCVQRYYTNHHTSCNGTWSEDVGNHTKFTFLWTEQAHTVTLAINSI 720  
 Db 663 TLLWKPLMKDLSLCVQRYYTNHHTSCNGTWSEDVGNHTKFTFLWTEQAHTVTLAINSI 722

Qy 721 GSVANENLTFSWPMKSVKNTVQSLSAYPLNSCIVVSLSPDYKLMYFIIEKLNALED 780  
 Db 723 GSVANENLTFSWPMKSVKNTVQSLSAYPLNSCIVVSLSPDYKLMYFIIEKLNALED 782

Qy 781 GEIKWLRISSVKKKYIHKF 801  
 Db 783 GEIKWLRISSVKKKYIHOHF 803

RESULT 6  
 US-08-355-888A-8  
 Sequence 8, Application US/08355888A  
 Patent No. 5763211

GENERAL INFORMATION:  
 APPLICANT: Snodgrass, H. R.  
 APPLICANT: Claffi, Joseph  
 APPLICANT: Zupancic, Thomas J.  
 APPLICANT: Shafer, Alan W.  
 TITLE OF INVENTION: Hu-B1-219, A NOVEL HUMAN HEMATOPOIETIN  
 NUMBER OF SEQUENCES: 31  
 CORRESPONDENCE ADDRESS:  
 ADDRESS: Pennie & Edmonds  
 STREET: 1155 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTY: USA  
 ZIP: 10036-2711  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: floppy disk

Qy 481 PSEPKDCYLQSDGFYCIFQPIFLSSGYTMWIRINHSLGSDSPPTCVLPSVYKPLPP 540  
 Db 483 PSEPKDCYLQSDGFYCIFQPIFLSSGYTMWIRINHSLGSDSPPTCVLPSVYKPLPP 542

Qy 541 SSVKAETINTIGLLKISWEKDPFEPENLQFOQIYGLSGKEVQWKMYEVYDAKSKSVSLPV 600  
 Db 543 SSVKAETINTIGLLKISWEKDPFEPENLQFOQIYGLSGKEVQWKMYEVYDAKSKSVSLPV 602

Qy 601 PDLCAVYAVQVRCKRLDGLGIWSNSNPATVMDIKVPMRGPEFWRITNGDTMKKEKAV 660  
 Db 603 PDLCAVYAVQVRCKRLDGLGIWSNSNPATVMDIKVPMRGPEFWRITNGDTMKKEKAV 662

Qy 661 TLLWKPLMKDLSLCVQRYYTNHHTSCNGTWSEDVGNHTKFTFLWTEQAHTVTLAINSI 720

RESULT 7  
 US-08-693-697-8  
 Application US/08693697  
 Patent No. 5866610  
 GENERAL INFORMATION:  
 APPLICANT: Snodgrass, H. R.  
 APPLICANT: Cioffi, Joseph  
 APPLICANT: Zupancic, Thomas J.  
 APPLICANT: Shafer, Alan W.  
 TITLE OF INVENTION: Hu-B1-219, A NOVEL HUMAN HEMATOPOIETIN  
 TITLE OF INVENTION: RECEPTOR  
 NUMBER OF SEQUENCES: 38  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Pennie & Edmonds  
 STREET: 1155 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: USA  
 ZIP: 10036-2711  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: FLOPPY DISK  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: FastSD for Windows Version 2.0b  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/693,697  
 FILING DATE: 05-AUG-1996  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Poissant, Brian M.  
 REGISTRATION NUMBER: 28,462  
 REFERENCE/DOCKET NUMBER: 8907-0037-999  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 650-443-4935  
 TELEFAX: 650-493-5556  
 TELEX: 66141 PENNIE 8:  
 INFORMATION FOR SEQ ID NO: 8:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 960 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-693-697-8

Query Match 99.1%; Score 4325; DB 2; Length 960;  
 Best Local Similarity 99.4%; Pred. No. 0; Gaps 0;  
 Matches 796; Conservative 2; Mismatches 3; Indels 0;

Qy 1 MIGOKFCVLLWIFIIVITANLSPITPWRKLSQMPNNTSYDFLLPAGLSKNTNS 60  
 Db 3 MIGOKFCVLLWIFIIVITANLSPITPWRKLSQMPNNTSYDFLLPAGLSKNTNS 62  
 Qy 61 NGHYETAVEPKFKNSGTHESNLSKTTHCCFREQDRNCSLQADNIEGKTFVSTVNSLVF 120  
 Db 63 NGHYETAVEPKFKNSGTHESNLSKTTHCCFREQDRNCSLQADNIEGRTTFVSTVNSLVF 122  
 Qy 121 QDIDANWNTQCIWKGDLKLFICYESLKNLFRNNYKVHLLVPEYLEDSPLVPKGS 180  
 Db 123 QDIDANWNTQCIWKGDLKLFICYESLKNLFRNNYKVHLLVPEYLEDSPLVPKGS 182

Qy 181 FQMVHCNCSCVHECECCLVPPPAKLNDDLMCLKTTSGGVIFQSPMSVQPIINVKPDP 240  
 Db 183 FQMVHCNCSCVHECECCLVPPPAKLNDDLMCLKTTSGGVIFQSPMSVQPIINVKPDP 242  
 Qy 241 LGHMEITDDGNIKURISWSSPPLVPPFLQYQKYSNSTVIREADKIVSATSLVDSILP 300  
 Db 243 LGHMEITDDGNIKURISWSSPPLVPPFLQYQKYSNSTVIREADKIVSATSLVDSILP 302  
 Qy 301 GSSEVQVGRKRLDGPQIWSWSPRVTQDVYFPPKILTSVGSNSVSECHLYKKENKI 360  
 Db 303 GSSEVQVGRKRLDGPQIWSWSPRVTQDVYFPPKILTSVGSNSVSECHLYKKENKI 362  
 Qy 361 VPSKEIIVWNNLAKIPOSOYDVSQHYSKVTFFNLNEKTPGRKFTYDAVCCNEHECHH 420  
 Db 363 VPSKEIIVWNNLAKIPOSOYDVSQHYSKVTFFNLNEKTPGRKFTYDAVCCNEHECHH 422  
 Qy 421 RYAELYVIDVNINISCTEDGYLTKMTCRSSTSTIOSLAPSLTQLRYHRSLYCDIPSIEH 480  
 Db 423 RYAELYVIDVNINISCTEDGYLTKMTCRSSTSTIOSLAPSLTQLRYHRSLYCDIPSIEH 482  
 Qy 481 FISEPDCYLOSDGFYECITQPIELLSGTMWIRNHSLSQDSDSPTCVLPDSVYKPLPP 540  
 Db 483 FISEPDCYLOSDGFYECITQPIELLSGTMWIRNHSLSQDSDSPTCVLPDSVYKPLPP 542  
 Qy 541 SSVKAETTINGLKLTSWERKEFOPENLQFOIRYGLSGKEVQWAKAEVYDAKSKSVSLPV 600  
 Db 543 SSVKAETTINGLKLTSWERKEFOPENLQFOIRYGLSGKEVQWAKAEVYDAKSKSVSLPV 602  
 Qy 601 PDLCAYAVQVORCKRLDGLGWSNNSPAYVYMDIKVPMRGPEFMRINGDTMKKEKVN 660  
 Db 603 PDLCAYAVQVORCKRLDGLGWSNNSPAYVYMDIKVPMRGPEFMRINGDTMKKEKVN 662  
 Qy 661 TLWKPLMKNDSCSVCORYVWNNHNTSCNTHSDFGNHTKTFLATEQAHVTVLAINSI 720  
 Db 663 TLWKPLMKNDSCSVCORYVWNNHNTSCNTHSDFGNHTKTFLATEQAHVTVLAINSI 722  
 Qy 721 GASVANFNLTSWPMKSVNIVQSLSAVPLNSCCVIVSWSLSPDKLYMFTEWKNUINED 780  
 Db 723 GASVANFNLTSWPMKSVNIVQSLSAVPLNSCCVIVSWSLSPDKLYMFTEWKNUINED 782  
 RESULT 8  
 US-08-640-389A-3  
 ; Sequence 3, Application US/08640389A  
 ; Patent No. 5912123  
 ; GENERAL INFORMATION:  
 ; SEQUENCE: Shodgrass, H. R.  
 ; APPLICANT: Shodgrass, H. R.  
 ; Cioffi, Joseph  
 ; APPLICANT: Zupancic, Thomas J.  
 ; APPLICANT: Shafer, Alan W.  
 ; TITLE OF INVENTION: DETECTION OF THE LEPTIN  
 ; RECEPTOR IN REPRODUCTIVE ORGANS AND METHODS FOR  
 ; REGULATING REPRODUCTIVE BIOLOGY  
 ; NUMBER OF SEQUENCES: 16  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Pennie & Edmonds LLP  
 ; STREET: 1155 Avenue of the Americas  
 ; CITY: New York  
 ; STATE: New York  
 ; COUNTRY: USA  
 ; ZIP: 10036-2711  
 ; COMPUTER READABLE FORM:  
 ; MEDIUM TYPE: Floppy disk  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: FastSD for Windows Version 2.0b  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/693,697  
 ; FILING DATE: 05-AUG-1996  
 ; CLASSIFICATION: 435  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Poissant, Brian M.  
 ; REGISTRATION NUMBER: 28,462  
 ; REFERENCE/DOCKET NUMBER: 8907-0037-999  
 ; TELECOMMUNICATION INFORMATION:  
 ; TELEPHONE: 650-443-4935  
 ; TELEFAX: 650-493-5556  
 ; TELEX: 66141 PENNIE 8:  
 ; INFORMATION FOR SEQ ID NO: 8:  
 ; SEQUENCE CHARACTERISTICS:  
 ; LENGTH: 960 amino acids  
 ; TYPE: amino acid  
 ; TOPOLOGY: linear  
 ; MOLECULE TYPE: protein

Classification: 435  
 Attorney/Agent Information:  
 Name: Poissant, Brian M.  
 Registration Number: 28,462  
 Reference/Docket Number: 8907-0322  
 Telecommunication Information:  
 Telephone: (212) 790-9090  
 Telefax: (212) 869-9741/8864  
 Telex: 66141 PENNIE  
 Information for Seq ID No: 3:  
 Sequence Characteristics:  
 Length: 960 amino acids  
 Type: amino acid  
 Topology: linear  
 Molecular Type: protein

US-08-640-389A-3

Query Match 99.1%; Score 4325; DB 2; Length 960;  
 Best Local Similarity 99.4%; Pred. No. 0; Gaps 0;  
 Matches 796; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 MICQKFCVVLLHWEFIVVTAENLYSPTPWRFLKSCMPNPNTDYFLLPAGLSKNTNS 60  
 Db 3 MICQKFCVVLLHWEFIVVTAENLYSPTPWRFLKSCMPNPNTDYFLLPAGLSKNTNS 62

QY 61 NGHYETAVEPKFNSGTFNSNLSTTFCFCRFSQDRNCSLADNIECKTFVTVNSLVF 120  
 Db 63 NGHYETAVEPKFNSGTFNSNLSTTFCFCRFSQDRNCSLADNIECKTFVTVNSLVF 122

QY 121 QOIDANWNOQWLKGDLKLIFICVYESLKNLFRNMYKVLFLKRLTITKPSVQPLVQOKGS 180  
 Db 123 QOIDANWNOQWLKGDLKLIFICVYESLKNLFRNMYKVLFLKRLTITKPSVQPLVQOKGS 182

QY 181 FQMYHCNGSVHECCCLVPTAKLNDLFLMCURITKPSVQPLNWKPDPP 240  
 Db 183 FQMYHCNGSVHECCCLVPTAKLNDLFLMCURITKPSVQPLNWKPDPP 242

QY 241 LGLIMEITDDGNIKLTISWSPPLPVPLQYQKVSNTVIREADKIVSATSLVDSLPL 300  
 Db 243 LGLIMEITDDGNIKLTISWSPPLPVPLQYQKVSNTVIREADKIVSATSLVDSLPL 302

QY 301 GSSYEVQVRGKRLDGPQIWSDNSTPRVFTTQDVIYFPPKILISVGSNSFHCYKKENKI 360  
 Db 303 GSSYEVQVRGKRLDGPQIWSDNSTPRVFTTQDVIYFPPKILISVGSNSFHCYKKENKI 362

QY 361 VPSKEIYWWMNLAEKIPOSQYDVSDFHVKTFENLNKTPKGKFTYDAVCCNEHECHH 420  
 Db 363 VPSKEIYWWMNLAEKIPOSQYDVSDFHVKTFENLNKTPKGKFTYDAVCCNEHECHH 422

QY 421 RYABLYVIDVNNTNISCTDGYTAKMTCRWTSTQSIAESTLQLYRVRSSYMCSDPSIH 480  
 Db 423 RYABLYVIDVNNTNISCTDGYTAKMTCRWTSTQSIAESTLQLYRVRSSYMCSDPSIH 482

QY 481 PISEPKDQYLQSDGFYECIFQDPIFLLSGYTMTRINHSLGSDSPPPCVLPSPVYKPLPP 540  
 Db 483 PISEPKDQYLQSDGFYECIFQDPIFLLSGYTMTRINHSLGSDSPPPCVLPSPVYKPLPP 542

QY 541 SYKAETTINIGLKLISKEPKVPPENNLQFQRYGLSGKEVQWKMTEVYDASKSVSPLV 600  
 Db 543 SYKAETTINIGLKLISKEPKVPPENNLQFQRYGLSGKEVQWKMTEVYDASKSVSPLV 602

QY 601 PDIQAVYAVQVKRDLGQWNSWSPAYTVMDFKVPMPREPEFVINGTMKEKNV 660  
 Db 603 PDIQAVYAVQVKRDLGQWNSWSPAYTVMDFKVPMPREPEFVINGTMKEKNV 662

QY 661 TLLWKLPMKNDSLCISCVORYVNMHTSGNTNSEDVGNHTKETPLWTEQAHVTVLAINSI 720  
 Db 663 TLLWKLPMKNDSLCISCVORYVNMHTSGNTNSEDVGNHTKETPLWTEQAHVTVLAINSI 722

QY 721 GASVANENLTFSPWMSKVNTIQOSLSAVPLNSSCVIVSWSLSSDYLCKMYFTEWKNLNED 780  
 Db 723 GASVANENLTFSPWMSKVNTIQOSLSAVPLNSSCVIVSWSLSSDYLCKMYFTEWKNLNED 782

QY 781 GEIKWLRISSVKKYIYHGKF 801  
 Db 783 GEIKWLRISSVKKYIYHGKF 803

RESULT 9  
 US-08-640-696-8  
 Sequence 8, Application US/08693696  
 Patent No. 6005080  
 General Information:  
 Applicant: Shodgrass, H. R.  
 Cioffi, Joseph  
 Zupancic, Thomas J.  
 Applicant: Shafer, Alan W.  
 Title of Invention: Hu-B1-219, A NOVEL HUMAN HEMATOPOIETIN  
 Number of Sequences: 31  
 Correspondence Address:  
 Penlie & Edmonds  
 Street: 1155 Avenue of the Americas  
 State: New York  
 Country: USA  
 Zip: 10036-2711  
 Computer Readable Form:  
 Medium Type: Floppy disk  
 Computer: IBM PC compatible  
 Operating System: PC-DOS/MS-DOS  
 Software: PatentIn Release #1.0, Version #1.30  
 Current Application Data:  
 Application Number: US/08/693,696  
 Filing Date:  
 Classification:  
 Prior Application Data:  
 Application Number: US 08/355,888  
 Filing Date: 14-DEC-1994  
 Attorney/Agent Information:  
 Name: Poissant, Brian M.  
 Registration Number: 28,462  
 Reference/DoCKET NUMBER: 7225-078  
 Telecommunication Information:  
 Telephone: (212) 790-9090  
 Telefax: (212) 869-9741/8864  
 Information for Seq ID No: 8:  
 Sequence Characteristics:  
 Length: 960 amino acids  
 Type: amino acid  
 Topology: linear  
 Molecule Type: protein

US-08-640-696-8

Query Match 99.1%; Score 4325; DB 3; Length 960;  
 Best Local Similarity 99.4%; Pred. No. 0; Gaps 0;  
 Matches 796; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 MICQKFCVVLLHWEFIVVTAENLYSPTPWRFLKSCMPNPNTDYFLLPAGLSKNTNS 60  
 Db 3 MICQKFCVVLLHWEFIVVTAENLYSPTPWRFLKSCMPNPNTDYFLLPAGLSKNTNS 62

QY 61 NGHYETAVEPKFNSGTFNSNLSTTFCFCRFSQDRNCSLADNIECKTFVTVNSLVF 120  
 Db 63 NGHYETAVEPKFNSGTFNSNLSTTFCFCRFSQDRNCSLADNIECKTFVTVNSLVF 122

QY 121 QOIDANWNOQWLKGDLKLIFICVYESLKNLFRNMYKVLFLKRLTITKPSVQPLVQOKGS 180  
 Db 123 QOIDANWNOQWLKGDLKLIFICVYESLKNLFRNMYKVLFLKRLTITKPSVQPLVQOKGS 182

QY 181 FQMYHCNGSVHECCCLVPTAKLNDLFLMCURITKPSVQPLNWKPDPP 240  
 Db 183 FQMYHCNGSVHECCCLVPTAKLNDLFLMCURITKPSVQPLNWKPDPP 242

QY 241 LGLIMEITDDGNIKLTISWSPPLPVPLQYQKVSNTVIREADKIVSATSLVDSLPL 300  
 Db 243 LGLIMEITDDGNIKLTISWSPPLPVPLQYQKVSNTVIREADKIVSATSLVDSLPL 302

QY 301 GSSYEVQVRGKRLDGPQIWSDNSTPRVFTTQDVIYFPPKILISVGSNSFHCYKKENKI 360  
 Db 303 GSSYEVQVRGKRLDGPQIWSDNSTPRVFTTQDVIYFPPKILISVGSNSFHCYKKENKI 362

QY 361 VPSKEIYWWMNLAEKIPOSQYDVSDFHVKTFENLNKTPKGKFTYDAVCCNEHECHH 420  
 Db 363 VPSKEIYWWMNLAEKIPOSQYDVSDFHVKTFENLNKTPKGKFTYDAVCCNEHECHH 422

QY 421 RYABLYVIDVNNTNISCTDGYTAKMTCRWTSTQSIAESTLQLYRVRSSYMCSDPSIH 480  
 Db 423 RYABLYVIDVNNTNISCTDGYTAKMTCRWTSTQSIAESTLQLYRVRSSYMCSDPSIH 482

QY 481 PISEPKDQYLQSDGFYECIFQDPIFLLSGYTMTRINHSLGSDSPPPCVLPSPVYKPLPP 540  
 Db 483 PISEPKDQYLQSDGFYECIFQDPIFLLSGYTMTRINHSLGSDSPPPCVLPSPVYKPLPP 542

QY 541 SYKAETTINIGLKLISKEPKVPPENNLQFQRYGLSGKEVQWKMTEVYDASKSVSPLV 600  
 Db 543 SYKAETTINIGLKLISKEPKVPPENNLQFQRYGLSGKEVQWKMTEVYDASKSVSPLV 602

QY 601 PDIQAVYAVQVKRDLGQWNSWSPAYTVMDFKVPMPREPEFVINGTMKEKNV 660  
 Db 603 PDIQAVYAVQVKRDLGQWNSWSPAYTVMDFKVPMPREPEFVINGTMKEKNV 662

QY 661 TLLWKLPMKNDSLCISCVORYVNMHTSGNTNSEDVGNHTKETPLWTEQAHVTVLAINSI 720  
 Db 663 TLLWKLPMKNDSLCISCVORYVNMHTSGNTNSEDVGNHTKETPLWTEQAHVTVLAINSI 722

QY 721 GASVANENLTFSPWMSKVNTIQOSLSAVPLNSSCVIVSWSLSSDYLCKMYFTEWKNLNED 780  
 Db 723 GASVANENLTFSPWMSKVNTIQOSLSAVPLNSSCVIVSWSLSSDYLCKMYFTEWKNLNED 782

QY 781 GEIKWLRISSVKKYIYHGKF 801  
 Db 783 GEIKWLRISSVKKYIYHGKF 803

Query Match 99.1%; Score 4325; DB 3; Length 960;  
 Best Local Similarity 99.4%; Pred. No. 0; Gaps 0;  
 Matches 796; Conservative 2; Mismatches 3; Indels 0; Gaps 0;

QY 1 MICQKFCVVLLHWEFIVVTAENLYSPTPWRFLKSCMPNPNTDYFLLPAGLSKNTNS 60  
 Db 3 MICQKFCVVLLHWEFIVVTAENLYSPTPWRFLKSCMPNPNTDYFLLPAGLSKNTNS 62

QY 61 NGHYETAVEPKFNSGTFNSNLSTTFCFCRFSQDRNCSLADNIECKTFVTVNSLVF 120  
 Db 63 NGHYETAVEPKFNSGTFNSNLSTTFCFCRFSQDRNCSLADNIECKTFVTVNSLVF 122

QY 121 QOIDANWNOQWLKGDLKLIFICVYESLKNLFRNMYKVLFLKRLTITKPSVQPLVQOKGS 180  
 Db 123 QOIDANWNOQWLKGDLKLIFICVYESLKNLFRNMYKVLFLKRLTITKPSVQPLVQOKGS 182

QY 181 FOMVHCNCSVHECCCLVPTAKLNDLFLMCURITKPSVQPLNWKPDPP 240  
 Db 183 FOMVHCNCSVHECCCLVPTAKLNDLFLMCURITKPSVQPLNWKPDPP 242

ATTONEY/AGENT INFORMATION:  
 NAME: Polliant, Brian M.  
 REGISTRATION NUMBER: 28 462  
 RECOMMENDATION NUMBER: 008907-0029-999  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: 650-493-4935  
 TELEFAX: 650-493-5556  
 TELEX: 66141 PENNIE  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 960 amino acids  
 TYPE: amino acid  
 STRANDEDNESS: single  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 US-08-588-190-3

Query Match 99.0%; Score 4320; DB 2; Length 960;  
 Best Local Similarity 99.3%; Pred. No. 0;  
 Matches 795; Indels 0; Gaps 0;  
 Conservative 2; Mismatches 4;

QY 1 MTCQKFCVYLLWEFIVITAFNLSPYITPWRKLSMPNSTYDFLLPAGLSKNTNS 60  
 Db 3 MTCQKFCVYLLWEFIVITANLSPYITPWRKLSMPNSTYDFLLPAGLSKNTNS 62

QY 61 NGHYETAPEPKNSSGTHFSNLSPKTFCHCFSQEDNCNLCKADNTEGKTFYSTVNSLVF 120  
 Db 63 NGHYETAPEPKNSSGTHFSNLSPKTFCHCFSQEDNCNLCKADNTEGKTFYSTVNSLVF 122

QY 64 QOIDANNIQCWLKGDKLFLCYYESLFKNLFRNYNKVHLLYVLPVLEVLDSPLVQOKGS 180  
 Db 65 QOIDANNIQCWLKGDKLFLCYYESLFKNLFRNYNKVHLLYVLPVLEVLDSPLVQOKGS 182

QY 121 QOIDANNIQCWLKGDKLFLCYYESLFKNLFRNYNKVHLLYVLPVLEVLDSPLVQOKGS 180  
 Db 123 QOIDANNIQCWLKGDKLFLCYYESLFKNLFRNYNKVHLLYVLPVLEVLDSPLVQOKGS 182

QY 181 FQMVHCNCVHECCCECLVPVPAKLNDSLMLCKLTSGGVIFQSPPLMSVPQINMVKDPDP 240  
 Db 183 FQMVHCNCVHECCCECLVPVPAKLNDSLMLCKLTSGGVIFERSPLMSVPQINMVKDPDP 242

QY 241 LGHMEITDGNKIKISWSSPPLVPEPQYKYSNSTTIVREADKIVSATSLVDSILP 30C  
 Db 243 LGHMEITDGNKIKISWSSPPLVPEPQYKYSNSTTIVREADKIVSATSLVDSILP 302

QY 301 GSSYEVQVRGKRLDGPGTWSMSTPRVFTQDVIYFPKPLTTSVGSNVSFCIYKENK 360  
 Db 303 GSSYEVQVRGKRLDGPGTWSMSTPRVFTQDVIYFPKPLTTSVGSNVSFCIYKENK 362

QY 361 VPSKEIWMNLAEK1P0S0QDVSDHVSXTFEFNLNETPKRGKFTYDAVICCNHECHH 420  
 Db 363 VPSKEIWMNLAEK1P0S0QDVSDHVSXTFEFNLNETPKRGKFTYDAVICCNHECHH 422

QY 421 RIAELYDVNINISCTDGYLTKMRTRWSTIQLRTHSLSYCSDIPSIN 480  
 Db 423 RIAELYDVNINISCTDGYLTKMRTRWSTIQLRTHSLSYCSDIPSIN 482

QY 481 PISEPKDQCYLQSDGFYECIFQPIFLSSGTYMPTRINHSLGSDSPPTCVALPDSVVKPLPP 540  
 Db 483 PISEPKDQCYLQSDGFYECIFQPIFLSSGTYMPTRINHSLGSDSPPTCVALPDSVVKPLPP 542

QY 541 SSVKAETINIGLKLISWKEPVPENNLQFQRYLGSKEYQWKMTEVYDAKSXSYSLPV 600  
 Db 543 SSVKAETINIGLKLISWKEPVPENNLQFQRYLGSKEYQWKMTEVYDAKSXSYSLPV 602

RESULT 10  
 US-08-588-190-3  
 Sequence 3, Application US/08388190  
 Patent No. 5856098  
 GENERAL INFORMATION  
 APPLICANT: Snodgrass, H. Ralph  
 APPLICANT: Claffey, Joseph  
 APPLICANT: Zupancic, Thomas Joe  
 APPLICANT: Shafer, Alan Wayne  
 TITLE OF INVENTION: DETECTION OF A LEPTIN RECEPTOR  
 TITLE OF INVENTION: VARIANT AND METHODS FOR REGULATING OBESITY  
 NUMBER OF SEQUENCES: 4  
 ADDRESS/PHONE ADDRESS:  
 ADDRESSSEE: Penile & Edmonds LLP  
 STREET: 1155 Avenue of the Americas  
 CITY: New York  
 COUNTRY: USA  
 ZIP: 10036-2811  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Diskette  
 COMPUTER: IBM Compatible  
 OPERATING SYSTEM: DOS  
 SOFTWARE: FastSEQ Version 2.0  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: 18-JAN-1996  
 FILING DATE: 435  
 PRIORITY APPLICATION DATA:  
 APPLICATION NUMBER:  
 FILING DATE:

QY 781 GEIKWLRISSSVKKYIYHGKF 801  
 Db 783 GETKWLRISSSVKKYIYHGKF 803

RESULT 11  
 US-08-526-3  
 Sequence 3, Application US/08888526  
 Patent No. 5882860  
 GENERAL INFORMATION:  
 APPLICANT: Shodrass, H.  
 APPLICANT: Cioffri, Joseph  
 APPLICANT: Zupancic, Thomas  
 APPLICANT: Shafer, Alan  
 TITLE OF INVENTION: DETECTION OF A LEPTIN RECEPTOR  
 TITLE OF INVENTION: VARIANT  
 TITLE OF INVENTION: AND METHODS FOR REGULATING OBESITY  
 NUMBER OF SEQUENCES: 4  
 CORRESPONDENCE ADDRESS:  
 ADDRESSEE: Penne & Edmonds  
 STREET: 1155 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: US  
 ZIP: 10036-2711  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: Patentn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/588,526  
 FILING DATE: 18-JAN-1996  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Poissant, Brian M.  
 REGISTRATION NUMBER: 28,462  
 REFERENCE/DOCKET NUMBER: 8907-030  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 790-9090  
 TELEFAX: (212) 869-9741  
 TELEX: 66141 PENNIE  
 INFORMATION FOR SEQ ID NO: 3:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 908 amino acids  
 TYPE: amino acid  
 TOPOLOGY: linear  
 MOLECULE TYPE: protein  
 Us-08-526-3

Query Match 98.9%; Score 4315; DB 2; Length 908;  
 Best Local Similarity 99.1%; Pred. No. 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 MIGQKFCVYVLLIHEFIVITANLSPITPWRKLSQPPNSYDYLPGALKNTNS 60  
 3 MIGQKFCVYVLLIHEFIVITANLSPITPWRKLSQPPNSYDYLPGALKNTNS 62

QY 61 NGHYETAVEPKENSGTHESNLTKTFFHCCFRSEQRNCSLCADNTEGKTFVSTVNSLVF 120  
 63 NGHYETAVEPKENSGTHESNLTKTFFHCCFRSEQRNCSLCADNTEGKTFVSTVNSLVF 122

Db 121 QDIDANNNIQCMKGLDKLFCIYVESLFKNLFRNYKVKHLLVLPVLESPVLPQKGS 180  
 123 QDIDANNNIQCMKGLDKLFCIYVESLFKNLFRNYKVKHLLVLPVLESPVLPQKGS 182

QY 181 FQMVHCNCVSHCCECLVPTAKLNDLCKTSGGTFQSPMSVOPINMYKPDP 240  
 183 FQMVHCNCVSHCCECLVPTAKLNDLCKTSGGTFQSPMSVOPINMYKPDP 242

QY 241 LGIUMEITDDGNLKISWSSPPLVPLPQYQKYSENSTVIREAKIVSATSLLVDSILP 300

Db 243 LGIUMEITDDGNLKISWSSPPLVPLPQYQKYSENSTVIREAKIVSATSLLVDSILP 302

QY 301 GSYEYQVRGKRUDGPGIWSDRSPRVEFTQDVFYFPKILTSVGSNSVSPFCIYKFKNI 360  
 Db 303 GSYEYQVRGKRUDGPGIWSDRSPRVEFTQDVFYFPKILTSVGSNSVSPFCIYKFKNI 362

QY 361 VPSKEIYWMNLAEKIPQSQEDVUSDEVSKTFNNETKPGKFYDAYCCNEBCHH 420  
 Db 363 VPSKEIYWMNLAEKIPQSQDVSDEVSKTFNNETKPGKFYDAYCCNEBCHH 422

QY 421 RYAEIYDVIDVNINISCTDGLTLMTCRWSSTIOSLAESTQLRYHRSULYCSDIPSIH 480  
 Db 423 RYAEIYDVIDVNINISCTDGLTLMTCRWSSTIOSLAESTQLRYHRSULYCSDIPSIH 482

QY 481 PISEPKDCYLOSDGFEYECIFQPIFLSGTYMWIRINHSLGSLSDSDPPTCVPDSVVKPLPP 540  
 Db 483 PISEPKDCYLOSDGFEYECIFQPIFLSGTYMWIRINHSLGSLSDSDPPTCVPDSVVKPLPP 542

QY 541 SSVKARITINGLKLKSWKEKVPENNQDPIRGSGKEVQWRAYEVYDVKYEVDTMKKEKVN 660  
 Db 543 SSVKRETTINGLKLKSWKEPVPENNQDPIRGSGKEVQWRAYEVDTMKKEKVN 662

QY 601 PDLCAVYAVYVORKRKLGDGLGQWNSNSNPATVYMDIKVPIRGPEPWRINGDTMKKEKVN 660  
 Db 603 PDLCAVYAVYVORKRKLGDGLGQWNSNSNPATVYMDIKVPIRGPEPWRINGDTMKKEKVN 662

QY 661 TLLWKPLMKNDLSLCSVQRYVYINHHTSCNCGTSSEDVGNHKTFTFLTEQAHVTVLAINSI 720  
 Db 663 TLLWKPLMKNDLSLCSVQRYVYINHHTSCNCGTSSEDVGNHKTFTFLTEQAHVTVLAINSI 722

QY 721 GASVANNTTSWPMVKVNVQOSLSAYPLNSSCVTVSWLSPSDIKLMMFTEIENKLND 780  
 Db 723 GASVANNTTSWPMVKVNVQOSLSAYPLNSSCVTVSWLSPSDYKLMMFTEIENKLND 782

QY 781 GEIKWLRISSSVKKYIYHGKF 801  
 Db 783 GEIKWLRISSSVKKYIYHGKF 803

RESULT 12  
 US-08-640-389A-11  
 ; Sequence 11, Application US/08640389A  
 ; Patent No. 5912123  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Snodgrass, H. R.  
 ; CIOFFI, Joseph  
 ; APPLICANT: Zupancic, Thomas J.  
 ; APPLICANT: Shafer, Alan W.  
 ; TITLE OF INVENTION: DETECTION OF THE LEPTIN  
 ; NUMBER OF SEQUENCES: 16  
 ; NUMBER OF INVENTION: REGULATING REPRODUCTIVE BIOLOGY  
 ; CORRESPONDENCE ADDRESS:  
 ; ADDRESSEE: Penne & Edmonds LLP  
 ; STREET: 1155 Avenue of the Americas  
 ; CITY: New York  
 ; STATE: New York  
 ; COUNTRY: USA  
 ; ZIP: 10036-2711  
 ; COMPUTER READABLE FORM:  
 ; COMPUTER: IBM PC compatible  
 ; OPERATING SYSTEM: PC-DOS/MS-DOS  
 ; SOFTWARE: Patentn Release #1.0, Version #1.30  
 ; CURRENT APPLICATION DATA:  
 ; APPLICATION NUMBER: US/08/640-389A  
 ; FILING DATE: 29-APR-1996  
 ; CLASSIFICATION: 435  
 ; ATTORNEY/AGENT INFORMATION:  
 ; NAME: Polissant, Brian M.  
 ; REGISTRATION NUMBER: 28,462  
 ; REFERENCE/DOCKET NUMBER: 8907-030

TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 750-9090  
 TELEFAX: (212) 869-9741/8864  
 TELEX: 66141 PENNIE  
 INFORMATION FOR SEQ ID NO: 11:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 1165 amino acids  
 TYPE: amino acid  
 STRANDEDNESS:  
 TOPOLOGY: unknown  
 MOLECULE TYPE: peptide  
 US-08-640-389A-11

RESULT 13  
 US-08-640-389A-10  
 Sequence 10 Application US/08640389A  
 Patent No. 591223  
 GENERAL INFORMATION:  
 APPLICANT: Snodgrass, H. R.  
 TYPE: Cioffi, Joseph J.  
 APPLICANT: Zupancic, Thomas J.  
 APPLICANT: Shafer, Alan W.  
 ADDRESS: Penile & Edmonds LLP  
 STREET: 1155 Avenue of the Americas  
 CITY: New York  
 STATE: New York  
 COUNTRY: USA  
 ZIP: 10036-2711  
 COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: MS-DOS  
 SOFTWARE: PatentIn Release #1.0, version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/640,389A  
 FILING DATE: 29-APR-1996  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Poissant, Brian M.  
 REGISTRATION NUMBER: 28,462  
 REFERENCE/DOCKET NUMBER: 8907-032  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 790-9090  
 TELEFAX: (212) 869-9741/8864  
 TELELEX: 66141 PENNIE  
 INFORMATION FOR SEQ ID NO: 10:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 896 amino acids  
 TYPE: amino acid  
 STRANDEDNESS:  
 TOPOLOGY: unknown  
 MOLECULE TYPE: peptide  
 US-08-640-389A-10

Query Match 98.8%; Score 4309; DB 2; Length 1165;  
 Best Local Similarity 99.1%; Pred. No. 0;  
 Matches 794; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy 1 MICRQFCVYVLLHWEFIVVITAFNLSYPTPWRKLSCLADNIEGKTFVSTVNSLVF 60  
 Db 1 MICQFCVYVLLHWEFIVVITAFNLSYPTPWRKLSCLADNIEGKTFVSTVNSLVF 60  
 Qy 61 NGHYETAVEVKFNSGTHPSNLSKTTEHCCFRSEODRNCSLADNIEGKTFVSTVNSLVF 120  
 Db 61 NGHYETAVEVKFNSGTHPSNLSKTTEHCCFRSEODRNCSLADNIEGKTFVSTVNSLVF 120  
 Qy 121 QDIDANWQICWLGDKLFLCYVESLKFALFRNRYKWHLYLVEPEVLEDSPVLPQKGS 180  
 Db 121 QDIDANWQICWLGDKLFLCYVESLKFALFRNRYKWHLYLVEPEVLEDSPVLPQKGS 180  
 Qy 181 FQMVHNCSCVHECCSCVCLCPVPTAKLNDTLMCLKTTSGGYVQSPMSVOPINMKPDPP 240  
 Db 181 FQMVHNCSCVHECCSCVCLCPVPTAKLNDTLMCLKTTSGGYVQSPMSVOPINMKPDPP 240  
 Qy 241 LGLHMETTDGDNLKISWSSSPVLPFPFLQYQKYSNSTTVTREADKIVSATSLVDSILP 300  
 Db 241 LGLHMETTDGDNLKISWSSSPVLPFPFLQYQKYSNSTTVTREADKIVSATSLVDSILP 300  
 Qy 301 GSSYEYQVRGRKLDGPFTWSDMSPTRVFTTQDVYFPPKILTSVGSNSVFSICIYKENKI 360  
 Db 301 GSSYEYQVRGRKLDGPFTWSDMSPTRVFTTQDVYFPPKILTSVGSNSVFSICIYKENKI 360  
 Qy 361 VPSKEIYWMNLAEKIPOSQYDPSVDFISKVTFENLAEKTPRGKFTYDAVCCNEHECHH 420  
 Db 361 VPSKEIYWMNLAEKIPOSQYDPSVDFISKVTFENLAEKTPRGKFTYDAVCCNEHECHH 420  
 Qy 421 RYAELEVLDVNTNISCETDGYLTKMTCRWSTSTQSLAESTLQLRYHRSLLYRYSRSLCDSIFSIH 480  
 Db 421 RYAELEVLDVNTNISCETDGYLTKMTCRWSTSTQSLAESTLQLRYHRSLLYRYSRSLCDSIFSIH 480  
 Qy 481 PISSEPKDCYVLQSDQFYECLQFOPFLLSGYTMWIRINHSLGSDSPPTCVPVLPSVVKLPP 540  
 Db 481 PISSEPKDCYVLQSDQFYECLQFOPFLLSGYTMWIRINHSLGSDSPPTCVPVLPSVVKLPP 540  
 Qy 541 SSVKAETTINIGLKLISWNEKPVFPENNQFOIRVGLSGKEVQKMYEYDAKSKSVSLPV 600  
 Db 541 SSVKAETTINIGLKLISWNEKPVFPENNQFOIRVGLSGKEVQKMYEYDAKSKSVSLPV 600  
 Qy 601 PDIACAVAYAVQRCKRLDGLGYWSHNSNPATVMDIKVPMRGPFBEWRINGDMMKKEKRV 660  
 Db 601 PDIACAVAYAVQRCKRLDGLGYWSHNSNPATVMDIKVPMRGPFBEWRINGDMMKKEKRV 660  
 Qy 721 GASVANENLTFSWPMPSKVNIVQSLSLAPLASSVWISLSPDVKLYMPLIENKNINED 780  
 Db 721 GASVANENLTFSWPMPSKVNIVQSLSLAPLASSVWISLSPDVKLYMPLIENKNINED 780  
 Qy 781 GEIKWLRISSSVKYTHGKF 801  
 Db 781 GEIKWLRISSSVKYTHGKF 801

Query Match 98.5%; Score 4297; DB 2; Length 896;  
 Best Local Similarity 98.8%; Pred. No. 0;  
 Matches 791; Conservative 2; Mismatches 8; Indels 0; Gaps 0;

Qy 1 MIGQKFCVYVLLHWEFIVVITAFNLSYPTPWRKLSCLADNIEGKTFVSTVNSLVF 60  
 Db 1 MIGQKFCVYVLLHWEFIVVITAFNLSYPTPWRKLSCLADNIEGKTFVSTVNSLVF 60  
 Qy 61 NGHYETAVEPKFNSGTHPSNLSKTTEHCCFRSEODRNCSLADNIEGKTFVSTVNSLVF 120  
 Db 61 NGHYETAVEPKFNSGTHPSNLSKTTEHCCFRSEODRNCSLADNIEGKTFVSTVNSLVF 120  
 Qy 121 QDIDANWQICWLGDKLFLCYVESLKFALFRNRYKWHLYLVEPEVLEDSPVLPQKGS 180  
 Db 121 QDIDANWQICWLGDKLFLCYVESLKFALFRNRYKWHLYLVEPEVLEDSPVLPQKGS 180  
 Qy 181 FQMVHNCSCVHECCSCVCLCPVPTAKLNDTLMCLKTTSGGYVQSPMSVOPINAKVDPDPP 240  
 Db 181 FQMVHNCSCVHECCSCVCLCPVPTAKLNDTLMCLKTTSGGYVQSPMSVOPINAKVDPDPP 240  
 Qy 241 LGLHMETTDGDNLKISWSSSPVLPFPFLQYQKYSNSTTVTREADKIVSATSLVDSILP 300  
 Db 241 LGLHMETTDGDNLKISWSSSPVLPFPFLQYQKYSNSTTVTREADKIVSATSLVDSILP 300

QY 301 GSSYEVQVRGKRLDGPINSWSPRFTTQDVYFPPKILTSVGSNVSFHCIYKKENI 360  
 Db 301 GSSYEVQVRGKRLDGPINSWSPRFTTQDVYFPPKILTSVGSNVSFHCIYKKENI 360  
 QY 361 VPSEKIVWWNNLAEKIPOSQDYVSSDHYSKVTFNLNETKPRGKFTYDAVCCNEHECHH 420  
 Db 361 VPSEKIVWWNNLAEKIPOSQDYVSSDHYSKVTFNLNETKPRGKFTYDAVCCNEHECHH 420  
 QY 421 RYAEIYIVDNINISCTEDGYLTMTCRNSTTQSIAESTLQLRYHSSLYCSDISIPIH 480  
 Db 421 RYAEIYIVDNINISCTEDGYLTMTCRNSTTQSIAESTLQLRYHSSLYCSDISIPIH 480  
 QY 481 PISEPKOCYQLQSDFYECIFQPFLLSGYTMWRINHSGLSDSPPTCVLPDSVVKPLPP 540  
 Db 481 PISEPKOCYQLQSDFYECIFQPFLLSGYTMWRINHSGLSDSPPTCVLPDSVVKPLPP 540  
 QY 541 SVKAETITINTGLKISWEKPVPPENNLQFOQIRYGLSGKEVQWKMVEYDAKSKSVPV 600  
 Db 541 SVKAETITINTGLKISWEKPVPPENNLQFOQIRYGLSGKEVQWKMVEYDAKSKSVPV 600  
 QY 601 PDIACAVYAVQVRCKRLDGYWYNNWSNPATYVMDIKVPMRQPEFWRILINGDTMKKEKVN 660  
 Db 601 PDIACAVYAVQVRCKRLDGYWYNNWSNPATYVMDIKVPMRQPEFWRILINGDTMKKEKVN 660  
 QY 661 TLWKPPLAKNDLSCLSQVQRYVNHHTSCGNTWSDVGNETKFTFLWTOAHTTVLAINI 720  
 Db 661 TLWKPPLAKNDLSCLSQVQRYVNHHTSCGNTWSDVGNETKFTFLWTOAHTTVLAINI 720  
 QY 721 GASVANENLTSFPMSKVNTIVQVNLQSLAYPLNSCIVYVWILSPSDYKLMYFTEWKNLNED 780  
 Db 721 GASVANENLTSFPMSKVNTIVQVNLQSLAYPLNSCIVYVWILSPSDYKLMYFTEWKNLNED 780  
 QY 781 GEIKWLRISSSSVKKYIHKGF 801  
 Db 781 GEIKWLRISSSSVKKYIHDHF 801

## RESULT 14

Sequence 9, Application US/08640389A  
 Patent No. 5912123

GENERAL INFORMATION:  
 APPLICANT: Snodgrass, H. R.  
 APPLICANT: Cioffi, Joseph  
 APPLICANT: Zupancic, Thomas J.  
 APPLICANT: Shafer, Alan W.  
 TITLE OF INVENTION: DETECTION OF THE LEPTIN  
 TITLE OF INVENTION: RECEPTOR IN REPRODUCTIVE ORGANS AND METHODS FOR  
 NUMBER OF SEQUENCES: 16  
 CURRENT PRIORITY ADDRESS:  
 ADDRESSEE: Pennie & Edmonds LLP  
 STREET: 1155 Avenue of the Americas  
 CITY: New York  
 COUNTRY: USA  
 ZIP: 10016-2711

COMPUTER READABLE FORM:  
 MEDIUM TYPE: Floppy disk  
 COMPUTER: IBM PC compatible  
 OPERATING SYSTEM: PC-DOS/MS-DOS  
 SOFTWARE: PatentIn Release #1.0, Version #1.30  
 CURRENT APPLICATION DATA:  
 APPLICATION NUMBER: US/08/640,389A  
 FILING DATE: 29-APR-1996  
 CLASSIFICATION: 435  
 ATTORNEY/AGENT INFORMATION:  
 NAME: Poissant, Brian M.  
 REGISTRATION NUMBER: 28,462  
 REFERENCE/DOCKET NUMBER: 8907-032  
 TELECOMMUNICATION INFORMATION:  
 TELEPHONE: (212) 790-9090  
 TELEFAX: (212) 869-9741/8864

TELEFAX: 66141 PENNIE  
 INFORMATION FOR SEQ ID NO: 9:  
 SEQUENCE CHARACTERISTICS:  
 LENGTH: 906 amino acids  
 STRANDEDNESS:  
 TOPOLOGY: unknown  
 MOLECULE TYPE: peptide  
 US-08-640-389A-9

Query	Match	Score 4297;	DB 2;	Length 906;
QY	Best Local Similarity 98.5%; Matches 791; Conservative 2;	Score 4297;	DB 2;	Length 906;
Db	Indels 0; Gaps 0;	Pred. No. 0;	Mismatches 2;	Indels 0; Gaps 0;
QY	1 MICQKFCYVLLAHMEEFITYVTAFLNLSYPTPWERKLSMPNPNSTDYFLLPAGLSKNTNS 60	1 MICQKFCYVLLAHMEEFITYVTAFLNLSYPTPWERKLSMPNPNSTDYFLLPAGLSKNTNS 60	1 MICQKFCYVLLAHMEEFITYVTAFLNLSYPTPWERKLSMPNPNSTDYFLLPAGLSKNTNS 60	1 MICQKFCYVLLAHMEEFITYVTAFLNLSYPTPWERKLSMPNPNSTDYFLLPAGLSKNTNS 60
QY	61 NGHYETAVPKENNSCHPHSNSLSKTTPHCCFSEQDNCISLADNIEKFTFSTVNSLVF 120	61 NGHYETAVPKENNSCHPHSNSLSKTTPHCCFSEQDNCISLADNIEKFTFSTVNSLVF 120	61 NGHYETAVPKENNSCHPHSNSLSKTTPHCCFSEQDNCISLADNIEKFTFSTVNSLVF 120	61 NGHYETAVPKENNSCHPHSNSLSKTTPHCCFSEQDNCISLADNIEKFTFSTVNSLVF 120
Db	61 QDIDANWNWQWLUKGDLFLFICVYESLEKKNLFRNNTYKVLILYVLPVLEDSPLPVPGS 180	61 QDIDANWNWQWLUKGDLFLFICVYESLEKKNLFRNNTYKVLILYVLPVLEDSPLPVPGS 180	61 QDIDANWNWQWLUKGDLFLFICVYESLEKKNLFRNNTYKVLILYVLPVLEDSPLPVPGS 180	61 QDIDANWNWQWLUKGDLFLFICVYESLEKKNLFRNNTYKVLILYVLPVLEDSPLPVPGS 180
QY	621 QQDANWNWQWLUKGDLFLFICVYESLEKKNLFRNNTYKVLILYVLPVLEDSPLPVPGS 180	621 QQDANWNWQWLUKGDLFLFICVYESLEKKNLFRNNTYKVLILYVLPVLEDSPLPVPGS 180	621 QQDANWNWQWLUKGDLFLFICVYESLEKKNLFRNNTYKVLILYVLPVLEDSPLPVPGS 180	621 QQDANWNWQWLUKGDLFLFICVYESLEKKNLFRNNTYKVLILYVLPVLEDSPLPVPGS 180
QY	181 FOKVHCNCVSHECCECLVPPVTAKLNDLMLCKITSGCVTFOSPLMSVQPNMVKDPP 240	181 FOKVHCNCVSHECCECLVPPVTAKLNDLMLCKITSGCVTFOSPLMSVQPNMVKDPP 240	181 FOKVHCNCVSHECCECLVPPVTAKLNDLMLCKITSGCVTFOSPLMSVQPNMVKDPP 240	181 FOKVHCNCVSHECCECLVPPVTAKLNDLMLCKITSGCVTFOSPLMSVQPNMVKDPP 240
Db	181 FOKVHCNCVSHECCECLVPPVTAKLNDLMLCKITSGCVTFOSPLMSVQPNMVKDPP 240	181 FOKVHCNCVSHECCECLVPPVTAKLNDLMLCKITSGCVTFOSPLMSVQPNMVKDPP 240	181 FOKVHCNCVSHECCECLVPPVTAKLNDLMLCKITSGCVTFOSPLMSVQPNMVKDPP 240	181 FOKVHCNCVSHECCECLVPPVTAKLNDLMLCKITSGCVTFOSPLMSVQPNMVKDPP 240
QY	241 LGIHMETTDGNGKISUSSPPLVPEPPLQYQKYSSENSTVIREADKIVSATSLVLSILP 300	241 LGIHMETTDGNGKISUSSPPLVPEPPLQYQKYSSENSTVIREADKIVSATSLVLSILP 300	241 LGIHMETTDGNGKISUSSPPLVPEPPLQYQKYSSENSTVIREADKIVSATSLVLSILP 300	241 LGIHMETTDGNGKISUSSPPLVPEPPLQYQKYSSENSTVIREADKIVSATSLVLSILP 300
Db	241 GSSYEVQVRGKRLDGPITWSDSTPRVTTQDVYFPPKILTSVGSNSSFHCTYKRNKI 360	241 GSSYEVQVRGKRLDGPITWSDSTPRVTTQDVYFPPKILTSVGSNSSFHCTYKRNKI 360	241 GSSYEVQVRGKRLDGPITWSDSTPRVTTQDVYFPPKILTSVGSNSSFHCTYKRNKI 360	241 GSSYEVQVRGKRLDGPITWSDSTPRVTTQDVYFPPKILTSVGSNSSFHCTYKRNKI 360
QY	361 VPSKEIYWMMNLAEKIPOSQTDVYFDSVHSKWTSTQSLAEESTQLYRHRSSLYCSDPSIH 420	361 VPSKEIYWMMNLAEKIPOSQTDVYFDSVHSKWTSTQSLAEESTQLYRHRSSLYCSDPSIH 420	361 VPSKEIYWMMNLAEKIPOSQTDVYFDSVHSKWTSTQSLAEESTQLYRHRSSLYCSDPSIH 420	361 VPSKEIYWMMNLAEKIPOSQTDVYFDSVHSKWTSTQSLAEESTQLYRHRSSLYCSDPSIH 420
Db	361 VPSKEIYWMMNLAEKIPOSQTDVYFDSVHSKWTSTQSLAEESTQLYRHRSSLYCSDPSIH 420	361 VPSKEIYWMMNLAEKIPOSQTDVYFDSVHSKWTSTQSLAEESTQLYRHRSSLYCSDPSIH 420	361 VPSKEIYWMMNLAEKIPOSQTDVYFDSVHSKWTSTQSLAEESTQLYRHRSSLYCSDPSIH 420	361 VPSKEIYWMMNLAEKIPOSQTDVYFDSVHSKWTSTQSLAEESTQLYRHRSSLYCSDPSIH 420
QY	421 RYAEIYVDTDVNINISCTDGYLTKMTCRNSTTQSLAEESTQLYRHRSSLYCSDPSIH 480	421 RYAEIYVDTDVNINISCTDGYLTKMTCRNSTTQSLAEESTQLYRHRSSLYCSDPSIH 480	421 RYAEIYVDTDVNINISCTDGYLTKMTCRNSTTQSLAEESTQLYRHRSSLYCSDPSIH 480	421 RYAEIYVDTDVNINISCTDGYLTKMTCRNSTTQSLAEESTQLYRHRSSLYCSDPSIH 480
Db	421 RYAEIYVDTDVNINISCTDGYLTKMTCRNSTTQSLAEESTQLYRHRSSLYCSDPSIH 480	421 RYAEIYVDTDVNINISCTDGYLTKMTCRNSTTQSLAEESTQLYRHRSSLYCSDPSIH 480	421 RYAEIYVDTDVNINISCTDGYLTKMTCRNSTTQSLAEESTQLYRHRSSLYCSDPSIH 480	421 RYAEIYVDTDVNINISCTDGYLTKMTCRNSTTQSLAEESTQLYRHRSSLYCSDPSIH 480
QY	481 PISEPKDCYQLSDGFYECIFOPILSPLSGTMWIRHNSLGLSDSPPTCLPDSVVKPLPP 540	481 PISEPKDCYQLSDGFYECIFOPILSPLSGTMWIRHNSLGLSDSPPTCLPDSVVKPLPP 540	481 PISEPKDCYQLSDGFYECIFOPILSPLSGTMWIRHNSLGLSDSPPTCLPDSVVKPLPP 540	481 PISEPKDCYQLSDGFYECIFOPILSPLSGTMWIRHNSLGLSDSPPTCLPDSVVKPLPP 540
Db	481 PISEPKDCYQLSDGFYECIFOPILSPLSGTMWIRHNSLGLSDSPPTCLPDSVVKPLPP 540	481 PISEPKDCYQLSDGFYECIFOPILSPLSGTMWIRHNSLGLSDSPPTCLPDSVVKPLPP 540	481 PISEPKDCYQLSDGFYECIFOPILSPLSGTMWIRHNSLGLSDSPPTCLPDSVVKPLPP 540	481 PISEPKDCYQLSDGFYECIFOPILSPLSGTMWIRHNSLGLSDSPPTCLPDSVVKPLPP 540
QY	541 SSVKAETINTGLKLSWKEPVPPNQFQTRYLGSKKEYQWMKMEYDAKSKSVPVSLP 600	541 SSVKAETINTGLKLSWKEPVPPNQFQTRYLGSKKEYQWMKMEYDAKSKSVPVSLP 600	541 SSVKAETINTGLKLSWKEPVPPNQFQTRYLGSKKEYQWMKMEYDAKSKSVPVSLP 600	541 SSVKAETINTGLKLSWKEPVPPNQFQTRYLGSKKEYQWMKMEYDAKSKSVPVSLP 600
Db	541 SSVKAETINTGLKLSWKEPVPPNQFQTRYLGSKKEYQWMKMEYDAKSKSVPVSLP 600	541 SSVKAETINTGLKLSWKEPVPPNQFQTRYLGSKKEYQWMKMEYDAKSKSVPVSLP 600	541 SSVKAETINTGLKLSWKEPVPPNQFQTRYLGSKKEYQWMKMEYDAKSKSVPVSLP 600	541 SSVKAETINTGLKLSWKEPVPPNQFQTRYLGSKKEYQWMKMEYDAKSKSVPVSLP 600
QY	601 PDLCAYAYQVRCKRLDGLGYWSNNSNPATVYMDIKVPMGPEFPRINQDTMKKEKVN 660	601 PDLCAYAYQVRCKRLDGLGYWSNNSNPATVYMDIKVPMGPEFPRINQDTMKKEKVN 660	601 PDLCAYAYQVRCKRLDGLGYWSNNSNPATVYMDIKVPMGPEFPRINQDTMKKEKVN 660	601 PDLCAYAYQVRCKRLDGLGYWSNNSNPATVYMDIKVPMGPEFPRINQDTMKKEKVN 660
Db	601 PDLCAYAYQVRCKRLDGLGYWSNNSNPATVYMDIKVPMGPEFPRINQDTMKKEKVN 660	601 PDLCAYAYQVRCKRLDGLGYWSNNSNPATVYMDIKVPMGPEFPRINQDTMKKEKVN 660	601 PDLCAYAYQVRCKRLDGLGYWSNNSNPATVYMDIKVPMGPEFPRINQDTMKKEKVN 660	601 PDLCAYAYQVRCKRLDGLGYWSNNSNPATVYMDIKVPMGPEFPRINQDTMKKEKVN 660
QY	661 TLLWKPLMKNLSDLCVQYVNHHTSKCNGTWSDGVNHTKTFLWBOAHVTVLAINSI 720	661 TLLWKPLMKNLSDLCVQYVNHHTSKCNGTWSDGVNHTKTFLWBOAHVTVLAINSI 720	661 TLLWKPLMKNLSDLCVQYVNHHTSKCNGTWSDGVNHTKTFLWBOAHVTVLAINSI 720	661 TLLWKPLMKNLSDLCVQYVNHHTSKCNGTWSDGVNHTKTFLWBOAHVTVLAINSI 720
Db	661 TLLWKPLMKNLSDLCVQYVNHHTSKCNGTWSDGVNHTKTFLWBOAHVTVLAINSI 720	661 TLLWKPLMKNLSDLCVQYVNHHTSKCNGTWSDGVNHTKTFLWBOAHVTVLAINSI 720	661 TLLWKPLMKNLSDLCVQYVNHHTSKCNGTWSDGVNHTKTFLWBOAHVTVLAINSI 720	661 TLLWKPLMKNLSDLCVQYVNHHTSKCNGTWSDGVNHTKTFLWBOAHVTVLAINSI 720
QY	721 GASVANFNLTFSWPMSKVNTIVQVNLQSLAYPLNSCIVYVWILSPSDYKLMYFTEWKNLNED 780	721 GASVANFNLTFSWPMSKVNTIVQVNLQSLAYPLNSCIVYVWILSPSDYKLMYFTEWKNLNED 780	721 GASVANFNLTFSWPMSKVNTIVQVNLQSLAYPLNSCIVYVWILSPSDYKLMYFTEWKNLNED 780	721 GASVANFNLTFSWPMSKVNTIVQVNLQSLAYPLNSCIVYVWILSPSDYKLMYFTEWKNLNED 780
Db	721 GASVANFNLTFSWPMSKVNTIVQVNLQSLAYPLNSCIVYVWILSPSDYKLMYFTEWKNLNED 780	721 GASVANFNLTFSWPMSKVNTIVQVNLQSLAYPLNSCIVYVWILSPSDYKLMYFTEWKNLNED 780	721 GASVANFNLTFSWPMSKVNTIVQVNLQSLAYPLNSCIVYVWILSPSDYKLMYFTEWKNLNED 780	721 GASVANFNLTFSWPMSKVNTIVQVNLQSLAYPLNSCIVYVWILSPSDYKLMYFTEWKNLNED 780
QY	781 GEIKWLRISSSSVKKYIHKGF 801	781 GEIKWLRISSSSVKKYIHKGF 801	781 GEIKWLRISSSSVKKYIHKGF 801	781 GEIKWLRISSSSVKKYIHKGF 801
Db	781 GEIKWLRISSSSVKKYIHKGF 801	781 GEIKWLRISSSSVKKYIHKGF 801	781 GEIKWLRISSSSVKKYIHKGF 801	781 GEIKWLRISSSSVKKYIHKGF 801

US-08-640-389A-8  
Sequence 8, Application US/08640389A  
Patent No. 5912123  
GENERAL INFORMATION  
APPLICANT: Snodgrass, H. R.  
APPLICANT: Cioffari, Joseph  
APPLICANT: Zupanic, Thomas J.  
APPLICANT: Shafer, Alan W.  
TITLE OF INVENTION: DETECTION OF THE LEPTIN  
TITLE OF INVENTION: RECEPTOR IN REPRODUCTIVE ORGANS AND METHODS FOR  
TITLE OF INVENTION: REGULATING REPRODUCTIVE BIOLOGY  
NUMBER OF SEQUENCES: 16  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Pennie & Edmonds LLP  
STREET: 1155 Avenue of the Americas  
CITY: New York  
STATE: New York  
ZIP: 10036-2711  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: Patentin Release #1.0, Version #1.30  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/640,389A  
FILING DATE: 29-APR-1996  
CLASSIFICATION: 435  
ATTORNEY/AGENT INFORMATION:  
NAME: Polssant, Brian M.  
REGISTRATION NUMBER: 28,462  
REFERENCE/DOCKET NUMBER: 8907-032  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: (212) 869-9090  
TELEFAX: (212) 869-9741/8864  
TELEX: 66141 PENNIE  
SEQUENCE INFORMATION:  
SEQ ID NO: 8  
SEQUENCE CHARACTERISTICS:  
LENGTH: 958 amino acids  
TYPE: amino acid  
STRANDEDNESS:  
TOPOLOGY: unknown  
MOLECULE TYPE: peptide  
US-08-640-389A-8

Qy 361 VPSKEIWWMNLAEKIPQQYDVVDVSKVTFNNETKPRGKFTYDAYVCCNHECHH 420  
Db 361 VPSKEIWWMNLAEKIPQQYDVVDVSKVTFNNETKPRGKFTYDAYVCCNHECHH 420  
Qy 421 RYAEIYIVDYNINISCTDGTLKMTCRWSTISQSLAESTLQLRHSILYCSDIPSIH 480  
Db 421 RYAEIYIVDYNINISCTDGTLKMTCRWSTISQSLAESTLQLRHSILYCSDIPSIH 480  
Qy 481 PISEPKDCYQLOSDGFYECIFQIFLSSGYTMWIRINHSLGSDSPPTCVLPDSVYKPLPP 540  
Db 481 PISEPKDCYQLOSDGFYECIFQIFLSSGYTMWIRINHSLGSDSPPTCVLPDSVYKPLPP 540  
Qy 541 SSVKAETTINGLLKISWEKPVPPENNLQFQIYGLSGKEYQWAKAYEVDAKSXSYSLPV 600  
Db 541 SSVKAETTINGLLKISWEKPVPPENNLQFQIYGLSGKEYQWAKAYEVDAKSXSYSLPV 600  
Qy 601 PDLCAVYAVQYRKRLDGLATGWSNNNSNPATVMDIKVPRHGPFWRITGDTMKKEKVN 660  
Db 601 PDLCAVYAVQYRKRLDGLATGWSNNNSNPATVMDIKVPRHGPFWRITGDTMKKEKVN 660  
Qy 661 TLLWKPMLKNDLCSYORYVNHHTSCNGTWSEDYGNHTKETFLTEQATHTVLAINSI 720  
Db 661 TLLWKPMLKNDLCSYORYVNHHTSCNGTWSEDYGNHTKETFLTEQATHTVLAINSI 720  
Qy 721 GASVANENLTFSWPMNSKVNTVOSLSAYPLASSCVIVSWILSPSDYKLYMFLIEWKNLNEO 780  
Db 721 GASVANENLTFSWPMNSKVNTVOSLSAYPLASSCVIVSWILSPSDYKLYMFLIEWKNLNEO 780  
Qy 781 GEIKWRLISSVVKYIHKF 801  
Db 781 GEIKWRLISSVVKYIHKF 801

Search completed: March 29, 2002, 09:50:12  
Job time: 227 sec



601 PDLCAYAVQVRCKRLDGLGWSNNSPAYTVMDIKVPMRGPEFWRIINGDTMKKEKNV

601 PDLCAYAVQVRCKRLDGLGWSNNSPAYTVMDIKVPMRGPEFWRIINGDTMKKEKNV

601 TLLWPLAKNDLSCSVORTYINHHTSCNGTWSEDVGHTKFTFLWTEAHTTVLAINSI 660

661 TLLWPLAKNDLSCSVORTYINHHTSCNGTWSEDVGHTKFTFLWTEAHTTVLAINSI 660

721 GASVANFNTESWPMKSYNIVQSLISAYPLNSSCVIVSPLSDYKLMYFILEWKLNED 780

721 GASVANFNTESWPMKSYNIVQSLISAYPLNSSCVIVSPLSDYKLMYFILEWKLNED 780

781 GEIKWLRISSVKYYIHGKFTIL 804

781 GEIKWLRISSVKYYIHGKFTIL 804

ILT 2  
US-08-774-414-13

STANDARD:

PRP:

804 AA.

xxxxxx

Sequence 13, Application US/08774414

Sequence 13, Application US/08774414  
GENERAL INFORMATION:

CC APPLICANT: CHANG, MING-SHI  
CC APPLICANT: WELCHER, ANDREW A.  
CC APPLICANT: FLETCHER, FREDERICK A.  
CC TITLE OF INVENTION: OB PROTEIN RECEPTOR AND RELATED  
CC TITLE OF INVENTION: COMPOSITIONS AND METHODS  
CC NUMBER OF SEQUENCES: 33  
CC CORRESPONDENCE ADDRESS:  
CC ADDRESSEE: Amgen Inc.  
CC STREET: 1840 Dehavenland Drive  
CC CITY: Thousand Oaks  
CC STATE: California  
CC COUNTRY: USA  
CC ZIP: 91320  
CC COMPUTER READABLE FORM:  
CC MEDIUM TYPE: Floppy disk  
CC COMPUTER: IBM PC compatible  
CC OPERATING SYSTEM: PC-DOS/MS-DOS  
CC SOFTWARE: PatentIn Release #1.0, Version #1.30  
CC CURRENT APPLICATION DATA:  
CC APPLICATION NUMBER: US/08/774,414  
CC FILING DATE:  
CC CLASSIFICATION: 424  
CC ATTORNEY/AGENT INFORMATION:  
CC NAME: Pessin, Karol M.  
CC REFERENCE/DOCKET NUMBER: A-382-A  
CC INFORMATION FOR SEQ ID NO: 13:  
CC SEQUENCE CHARACTERISTICS:  
CC LENGTH: 804 amino acids  
CC TYPE: amino acid  
CC STRANDEDNESS: single  
CC TOPOLOGY: linear  
CC MOLECULE TYPE: protein  
SQ SEQUENCE 804 AA: 91862 MW: 3765058 CN;  
  
Query Match 100.0% Score 6090; DB 12; Length 804;  
Best Local Similarity 100.0% Pred. No. 0.00e+00;  
Matches 804; Conservative 0; Mismatches 0; Indels 0; Gaps 0  
  
Db 1 MICQKFCVVLLHWEFIYVITAFNLSYPITPWRFKLSCMPNPNSTYDYFLLPAGLSKNTSNS 60  
Qy 1 MICQKFCVVLLHWEFIYVITAFNLSYPITPWRFKLSCMPNPNSTYDYFLLPAGLSKNTSNS 60  
  
Db 61 NGHYETAVEPKFNSSGTHFSNLSKTTFHCCFRSEQDRNCSLCADNIEGKTFVSTVNSLVE 120  
Qy 61 NGHYETAVEPKFNSSGTHFSNLSKTTFHCCFRSEQDRNCSLCADNIEGKTFVSTVNSLVE 120  
  
Db 121 QQIDANWNQICWLKGDLKLFICYVESLFKNLFRNNYKVHLLYVLPEVLEDSPLPQKGS 180  
Qy 121 QQIDANWNQICWLKGDLKLFICYVESLFKNLFRNNYKVHLLYVLPEVLEDSPLPQKGS 180  
  
Db 181 FQMVHCNCNVHECCCECLVPVPTAKLNDTLLMCLKITSGGVIFQSPPLMSVQPINMVKPDPP 240  
Qy 181 FQMVHCNCNVHECCCECLVPVPTAKLNDTLLMCLKITSGGVIFQSPPLMSVQPINMVKPDPP 240  
  
Db 241 LGLHMEITDDGNLKISWSSPPLVPFPLQYQVKYSENSTTVIREADKIVSATSLVDSILP 300  
Qy 241 LGLHMEITDDGNLKISWSSPPLVPFPLQYQVKYSENSTTVIREADKIVSATSLVDSILP 300  
  
Db 301 GSSYEVQVRGKRLDGPWIWSDWSTPRVFTTQDVIYFPPKILTSVGSNVSFHICYKKENKI 360  
Qy 301 GSSYEVQVRGKRLDGPWIWSDWSTPRVFTTQDVIYFPPKILTSVGSNVSFHICYKKENKI 360  
  
Db 361 VPSKEIVWWMNLAEKIPOSQYDVSDHVSKVTFNLNETKPRGKFTYDAVYCCNEHECHH 420  
Qy 361 VPSKEIVWWMNLAEKIPOSQYDVSDHVSKVTFNLNETKPRGKFTYDAVYCCNEHECHH 420  
  
Db 421 RYAEELYVIDVNINISCETDGYLTKMTCRWSTTIQSLAESTLQLRYHRSSLYCSDIPSIH 480  
Qy 421 RYAEELYVIDVNINISCETDGYLTKMTCRWSTTIQSLAESTLQLRYHRSSLYCSDIPSIH 480  
  
Db 481 PISEPKDCYLQSDGFYECIFQPIFLLSGYTMWIRINHSLGSLDSPPTCVLPDSVVKPLPP 540  
Qy 481 PISEPKDCYLQSDGFYECIFQPIFLLSGYTMWIRINHSLGSLDSPPTCVLPDSVVKPLPP 540  
  
Db 541 SSVKAETINIGLLKISWEKPVFPENNLLQFQIRYGLSGKEVQWKMVEVYDAKSKSVPKGS 600  
Qy 541 SSVKAETINIGLLKISWEKPVFPENNLLQFQIRYGLSGKEVQWKMVEVYDAKSKSVPKGS 600  
  
Db 601 PDLCAVYAVQVRCKRLDGLGYWSNNSPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
Qy 601 PDLCAVYAVQVRCKRLDGLGYWSNNSPAYTVVMDIKVPMRGPEFWRIINGDTMKKEKNV 660  
  
Db 661 TLLWPLAKNDLSCSVQRYVNHHTSCNGTWSEDVGHTKFTFLWTEAHTTVLAINSI 720  
Qy 661 TLLWPLAKNDLSCSVQRYVNHHTSCNGTWSEDVGHTKFTFLWTEAHTTVLAINSI 720  
  
Db 721 GASVANFNLTFSPWPMSKVNIVQSLISAYPLNSSCVIVSPLSDYKLMYFILEWKLNED 780  
Qy 721 GASVANFNLTFSPWPMSKVNIVQSLISAYPLNSSCVIVSPLSDYKLMYFILEWKLNED 780  
  
Db 781 GEIKWLRISSVKYYIHGKFTIL 804  
Qy 781 GEIKWLRISSVKYYIHGKFTIL 804

last 4

W 11/6/67b  
Amgen